

# Notice of Allowability

Application No.

10/825,499

Examiner

Huy D. Nguyen

Applicant(s)

SHIRAGA, KAZUHIRO

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17  
2684

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/23/2006.
2. ☒ The allowed claim(s) is/are 1 and 2.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Aaron A. Fishman on 3/16/2006.

The application has been amended as follows:

Claim 1, line 7: before "wireless", "second" has been deleted; -- first -- has been inserted.

Claim 1, line 19: before "wireless", "second" has been deleted; -- first -- has been inserted.

Claim 1, line 22: before "wireless", "first" has been deleted; -- second -- has been inserted.

### *Allowable Subject Matter*

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 2, Murphy et al. teaches a wireless communication system comprising a first terminal apparatus and a second terminal apparatus, wherein said first terminal apparatus comprises: a position detecting section (e.g., location determination system 135) for detecting the positional information of said first terminal apparatus; a computer for generating image information (see column 4, lines 18-27); and a first wireless communication section (e.g.,

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transmitter) for transmitting said image information to a second wireless communication section (e.g., receiver) of said second terminal apparatus; and wherein said second terminal apparatus comprises: said second wireless communication section for receiving said image information; and a displaying section for displaying said image information (see column 7, lines 46-60).

Murphy et al. does not teach transmitting image information to a second wireless communication section through a first communication channel (e.g., target frequency) defined depending on positional information. However, the preceding limitation is taught in H'mimy et al. (see column 7, lines 58-59). It would have been obvious to one having ordinary skill in the art, at the time of the invention, to apply the teaching of H'mimy et al. to the teaching of Murphy et al. in order to provide more efficient use of network resources and to improve communication link quality between the communication terminals.

However, the cited prior arts, either alone or in combination, fail to teach a first wireless communication section for transmitting said position information to an information management system outside said wireless communication system, and receiving a first communication channel specifying information which is decided on basis of said position information of said first terminal apparatus and a data base recording a position information of other terminal apparatus in said information management system, and which assigns communication channel between said first terminal apparatus and said second terminal apparatus not so as to occur communication crossing; a computer for receiving said first communication channel specifying information from said second wireless communication section, and generating image information, in combination with all of other limitations in the claims.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Contact Information***


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huy D. Nguyen whose telephone number is 571-272-7845. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HN

Huy Nguyen

  
JOSEPH FEILD  
SUPERVISORY PATENT EXAMINER